

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-297052

(43)Date of publication of application : 21.10.2004

(51)Int.Cl. H01L 33/00

(21)Application number : 2004-064612 (71)Applicant : HITACHI CABLE LTD

(22)Date of filing : 08.03.2004 (72)Inventor : YUKIMOTO TOMIHISA

(30)Priority

Priority number : 2003062153 Priority date : 07.03.2003 Priority country : JP

(54) LIGHT EMITTING DIODE ARRAY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a diode array which reduces only the current in a sneak current path not contributing to light emission and allows increase in light emitting output and low-voltage operation.

SOLUTION: This light emitting diode array is provided with a conducting layer formed on a substrate, multiple light emitting portions which are formed on the conducting layer and independent of each other, first electrodes which are formed on a part of the upper surfaces of the respective light emitting portions, and a second electrode which is formed on the conducting layer and in the proximity of the light emitting portions. The second electrode is a common electrode for operating the multiple light emitting portions. In the conducting layer, regions between adjacent light emitting portions are eliminated, while leaving regions which become current paths to the light emitting portions.

